



Assoc. Professor Angel Atanasov Ferezliev

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Experimental Station on Coniferous forests- Velingrad,

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Date and birth place: 29 January, 1969, Dorkovo vil., Pazardjik District

Research Interests: Forestry, forestry science and education: Silviculture and Management of forest resources, Dendrobiometry and Forest Inventory

Education:

2012: PhD in Silviculture and management of forest resources

2004: MDs in Pedagogy, University of Food technologies, Plovdiv

1995: Forestry engineer, University of Forestry, Sofia

1993: Associate correspondent of mass media, University of Forestry, Sofia

Employment:

2019-present: Associate Professor, Forest Research Institute, BAS-Experimental Station on Coniferous forests, Velingrad, Head of base

2011-2019: Chief Assistant Professor, Forest Research Institute, BAS, Experimental Station on Coniferous forests, Velingrad

2006-2011: Forest Engineer, Forest Research Institute, BAS, Experimental Station on Coniferous forests- Velingrad

2005 -2006: Teacher, Secondary School of Forestry "Hristo Botev", Velingrad

2005 -2005: Manager, "Bulland Trade" Ltd., Sofia, decorative nursery -Bratanitsa, Pazardjik, Bulgaria

2005-2005: Vice director, Secondary School of Forestry "Hristo Botev", Velingrad

1999 -2005: Teacher, Secondary School of Forestry "Hristo Botev", Velingrad

1999 -1999: Forester, State Forestry -Velingrad

Administrative responsibilities:

2006-present: Head of Experimental Station on Coniferous Forests - Velingrad, Forest Research Institute of BAS

2005-2005 - Manager, "Bulland Trade" Ltd., Sofia

2005-2005 - Vice director, Secondary School of Forestry "Hristo Botev", Velingrad

Teaching Experience:

1999-2006: Teacher- Secondary School of Forestry "Hristo Botev", Velingrad

Training students:

2016-2019: Consultant of PhD student, Institute of Biodiversity and Ecosystem Research at the Bulgarian Academy of Sciences

2017: Consultant of MsD student, University of Forestry – Sofia

Membership in scientific organisations: Union of Scientists in Bulgaria

Publications: Total number of scientific publications-40 (6 with impact factor or impact rang)

The list of selected publications for last five years:

- Barna, M., **Ferezliev, A.**, Tsakov, H., Mihál, I. (2020) Investigations of mature Scots pine stands in windthrow areas in Norway spruce forests in Western Rhodopes. *Folia Oecologica*, 47:1-9. doi: 10.2478/foecol-2020-0001sciendo.com and at ife.sk
- Kachova V., **A.Ferezliev** (2020) Improved characteristics of *Populus sp.* ecosystems by agroforestry practices. *Šumarski list* 144(1-2), 45-51. Q3, IF-0.421(Web of Sciences),SJR(Scopus)-0.194
- Ferezliev, A.** (2019) Changes in Austrian black pine diameter structure in mixed black pine-scots pine forest plantations after damage from wet snow in the region of Velingrad, NorthWest Rhodopes, Proceedings papers "150 Years of Bulgarian Academy of Sciences", 243-251, ISBN:978-619-245-001-4(Print); 978-619-245-002-1 (Online)
- Kachova, V., **A. Ferezliev**, Y. Dodev (2019) Growth characteristics of Robinia pseudoacacia L. plantations after applying of agroforestry", *Ecologia Balkanica*, vol.11, Issue 1, 35-50. Online ISSN: 1313-9940; Print ISSN: 1314-0213.
- Ferezliev, A.**, Kr. Karov, N. Zafirov, V. Kachova, Y. Dodev (2019) Comparative study of the height and volume structure of Douglas-fir (*Pseudotsuga menziesii* (Mirb.) Franco) forest plantations in North-West Rhodopes. *Ecologia Balkanica*, vol.11, Issue 1, 63-74. Online ISSN: 1313-9940; Print ISSN: 1314-0213.
- Dodev Y., Gr. Popov, I. Markoff, **A. Ferezliev** (2018) European experience in managing of coppice with standards and its prospects in Bulgaria. *Nauka za gorata*,2, 25-38.
- Ferezliev, A.**, Hr.Tsakov, Hr.Hristova (2018) Horizontal structure and peculiarities in diameter structure of *Fagus moesiaca* (Maly) CZECH. plantations in Shumensko plateau. *Nauka za gorata*, 2, 55-66.
- Ferezliev A.**, R. Mavrevski, Al. Delkov (2018) Correlation between average and dominant height of middle- aged douglas-fir plantations in North-West Rhodopes. *Silva Balcanica*, 19(2), 13-26. ISSN 1311 - 8706
- Ferezliev, A.**, N.Zafirov, Kr.Karov (2018) Comporative investigation on distribution by diameter variation curves in douglas-fir plantations in State Forestry Alabak. *Forest Science*, 1, 39-53.
- Lozanova, L., Zhiyanski ,M.,Vanguelova, E.,Doncheva Sv., **Ferezliev A.** (2018) Root biomass and root distribution in two different forest ecosystems in Bulgaria. Proceeding papers of 'International Scientific Conference" 90 Years Forest Research Institute- for the Society and Nature", Sofia, Bulgaria,198-207. ISBN:978-619-7379-28-0
- Tsakov Hr., **A.Ferezliev**, A.Delkov, Hr.Hristova. Thickness structure of Macedonian pine (*Pinus peuce Griseb.*) plantations growing in the Vitosha mountain. Proceeding papers of 'International Scientific Conference" 90 Years Forest Research Institute- for the Society and Nature", 24-26.10.2018, Sofia, Bulgaria,83-90. ISBN:978-619-7379-28-0
- Kachova, V., **A. Ferezliev** (2018) State of Forest Plantations Used for Afforestation of Heavy Metals Polluted Lands Around Former Metallurgic Plant "Kremikovtsi" (Bulgaria). *Ecologia Balkanica*, vol. 10, Issue 1, 39-46, Online ISSN: 1313-9940; Print ISSN: 1314-0213.
- Ferezliev, A.** (2017) Relationship between particular dendrobiometrical indicators of natural European beech (*Fagus sylvatica* L.) dendrocoenoses in Central Balkan Range. *Folia oecologica*, 44(2), 69-77. ISSN: 1336-5266 (Print), ISSN: 1338-7014 (Online)
- Ferezliev, A.**, Hr.Tsakov, I. Mihal, M.Barna, A.Cicak (2017) Peculiarities in diameter structure in stands updet by the hurricane in the West Rhodopes. *Forest Science*, 1, 53-63.
- Ferezliev, A.**, Hr.Tsakov (2017) Spatial structure and biometric parameters of tree crowns in dendrocoenoses disturbet by wind invasion in Western Rhodopes. Proceedings of National Conference "Education and Science for Personal and Public Development", Section "Biology, Chemistry and Medicine", Smolyan, 56-71.
- Ferezliev, A.**, Hr.Tsakov (2017) Peculiarities in structure according to height and volume in dendrocoenoses damaged by hurricane in Western Rhodopes. Proceedings of National Conference "Education and Science for Personal and Public Development", Section "Biology, Chemistry and Medicine", Smolyan, 83-95.

- Ferezliev, A.** (2017) Systems for the douglas fir swelling in middle- age plantations in North-Western Rhodopes. National Scientific Proceedings of National Conference "Education and Science for Personal and Public Development", Section "Biology, Chemistry and Medicine", Smolyan , 72-82.
- Stoyanov N., M. Stoyanova, **A. Ferezliev**, R. Milchev (2017) National Woody Biomass Projection Systems Based on Forest Inventory, Bulgaria. In: Barreiro, S., Schelhaas, M.-J., McRoberts, R. E., Kändler, G. (Eds.), 2017. Forest Inventory – based Projection Systems for Wood and Biomass Availability. Part II, Chapter 7, Bulgaria. Springer Hardcover, eBook, 2017 , 97-105. ISBN 978-3-319-56201-8(Print), 978-3-319-56201-8 (Online).
- Barreiro S, Schelhaas MJ, Kändler G, Antón-Fernández C, Colin A, Bontemps JD, Alberdi I, Condés S, Dumitru M, **Ferezliev A**, Fischer C, Gasparini P, Gschwantner T, Kindermann G, Kjartansson B, Kovácsévics P, Kucera M, Lundström A, Marin G, Mozgeris G, Nord-Larsen T, Packalen T, Redmond J, Sacchelli S, Sims A, Snorrason A, Stoyanov N, Thürig E, Wikberg PE (2016). Overview of methods and tools for evaluating future woody biomass availability in European countries. *Annals of Forest Science*, vol.73, Issue4, 823-837. doi:10.1007/s13595-016-0564-3.
- Zhiyanski, M., M. Glushkova , **A. Ferezliev**, L. Menichetti , J. Leifeld (2016) Carbon storage and soil property changes following afforestation in mountain ecosystems of the Western Rhodopes, Bulgaria. *iForest*, vol.9, 626-634. doi: 10.3832/ifer1866-008 SISEF - Italian Society of Silviculture and Forest Ecology, ISSN: 1971-7458, ISI IF 5 yrs- 1,318, SJR(2015)- 0,518, IF(2016)-1,623.
- Ferezliev A**, V.Marinkov, H.Tsakov, H.Hristova (2015) Relationship between crown diameter and diameter at breast height in stands representative of Shumensko plateau. *Forest Science*, 2, 57-68.
- Stankova, T., **A. Ferezliev** (2015) Estimation of diameter, neight and volume structure of Scots Pine plantations through software. *Forest Science*, 2, 69-88.
- Ferezliev, A.**, T.Stankova (2015) Estimation of timber assortment structure of Scots pine plantation from average stand characteristics. *Forest Science*, 1, 3-17.
- Ferezliev A.** (2015) Incremental coefficients for Douglas-fir (*Pseudotsuga menziesii* (Mirb.) Franco) in young and middle age in West Rhodopes. *Scientific papers of BLRS "Challenges"*, part3, Sofia, 105-115.

Research projects:

The projects for the last 5 years are listed below:

- Growth, structure and productivity of coniferous plantations in the Northwest Rhodopes. 2017-2019. Forest Research Institute - BAS. Project Leader: Ass. Prof. A. Ferezliev
- Structure, health status and regeneration capability of dendrocoenoses destructed by wind invasion in Rila - Rodopi massif, Vitosha Mt and Low and High Tatras Mts. 2015-2017. Joint MAD project.
- Resource assessment of forests and forest lands. 2014-2016. Forest Research Institute - BAS.
- Growth, structute and productivity of artificial coniferous ecosystems created in the Northwest Rhodope Mountains. 2014-2016. Forest Research Institute - BAS. Project Leader: Ass. Prof. A. Ferezliev
- Land-use and management impacts on carbon sequestration in mountain ecosystems Funded by Bulgarian-Swiss Research Programme. 2013-2016.
- Growth, structure and productivity of *Pseudotsuga menziesii* (Mirb.) Franco in the Northwest Rhodopes. 2012-2014. Forest Research Institute - BAS.
- Growing peculiarities of the *Pseudotsuga menziesii* (Mirb.) Franco in the Northwest Rhodope massif "Chepino". 2010-2012. Forest Research Institute - BAS. Project Leader: Ass. Prof. A. Ferezliev
- Improving Data and Information on the Potential Supply of WoodResources: A European: Approach from Multisource National Forest Inventories. 2010-2014. COST-EU RTD Framework Programme: FP-1001- USEWOOD".